

1891
TO BOTANISTS.

The following list of species represents my work in California during the time included between June 20th and August 4th. Nearly the whole collection was made at Santa Cruz, on the coast, and at Soda Springs, three miles below Summit, in the Sierras, on the Central Pacific Railroad. Some very interesting plants were collected on the road in Nevada, especially at Wells. The whole collection contains over 900 species.

I am greatly indebted to the Superintendent, General Passenger Agent, and Mr. B. B. Redding, of the Central Pacific Railroad, for facilities given me over their road, which made so large a collection possible in so short a time. The interest taken by these men in everything pertaining to the welfare of their State is well known, and would require no mention here were it not for their personal interest in my work. At least a dozen new species were discovered, and quite a number of others were added to the already well known flora of the State.

I have been able to use both volumes of the "Flora of California" this year, and so have made some changes in synonyms, and also have corrected some common errors.

The sets contain 507 species. Plants starred are not in the sets.

It is my intention to spend the entire coming season in completing the exploration of the coast, and hope to add a much larger number of species to the collection. Seeds, roots and living plants will be collected by request, as well as herbarium specimens. All communications should be addressed to—

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Flora of California.—First Fascicle.

COLLECTED BY MARCUS E. JONES, A. M.

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| <p>2335 <i>Clematis ligusticifolia</i>, Nutt.,
var. <i>Californica</i>, Watson.</p> <p>2585 <i>Thalictrum polycarpum</i>, Watson.</p> <p>2485 <i>Ranunculus Flammula</i>, L.</p> <p>2591 <i>Californicus</i>, Benth.</p> <p>2614* <i>Aquilegia truncata</i>, F. & M.</p> <p>2631* <i>Delphinium simplex</i>, Dougl.</p> <p>2410 <i>decorum</i>, F. & M. var.
<i>Nevadense</i>, Watson.</p> <p>2353 <i>Californicum</i>, T. & G.</p> <p>2571 <i>glaucum</i>, Watson.</p> <p>2543 <i>Aconitum Columbianum</i>, Nutt.</p> <p>2632* <i>Actaea spicata</i>, L., var.
<i>arguta</i>, Torrey.</p> <p>2615* <i>Paeonia Brownii</i>, Dougl.</p> <p>2616* <i>Berberis repens</i>, Lindley.</p> <p>2617* <i>Nuphar polycepalum</i>, Eng.</p> <p>2315 <i>Platystemon Californicus</i>, Benth.</p> <p>2226 <i>Eschscholtzia Californica</i>, Cham.</p> <p>2622* <i>Alyssum maritimum</i>, L.</p> <p>2568 <i>Draba stenoloba</i>, Ledeb., var.</p> <p>2635* <i>Dentaria tenella</i>, Pursh.</p> <p>2636* <i>Cardamine oligosperma</i>, Nutt.</p> <p>2564 <i>Arabis Lyallii</i>, Watson.</p> <p>2619* <i>Holboellii</i>, Hornem.</p> <p>2505 <i>Streptanthus tortuosus</i>, Kellogg.</p> <p>2618* <i>Cheiranthus Menziesii</i>, B. & H.</p> <p>2640* <i>Caulanthus pilosus</i>, Watson.</p> <p>2620* <i>Erysimum asperum</i>, DC.</p> <p>2633* <i>Brassica nigra</i>, Boissier.</p> <p>2621* <i>Barbarea vulgaris</i>, R. Br., var.
<i>arcuata</i>, Koch.</p> <p>2414 <i>Sisymbrium incisum</i>, Eng., var.
<i>reflexum</i>, Nutt.</p> <p>2336 <i>Nasturtium obtusum</i>, Nutt.</p> <p>2638* <i>officinale</i>, R. Br.</p> <p>2639* <i>Lepidium intermedium</i>, Gr.
(with petals)</p> <p>2391 <i>Senebiera didyma</i>, Persoon.</p> <p>2254 <i>Helianthemum scoparium</i>, Nutt.</p> <p>2646 <i>Viola ocellata</i>, Torr. & Gray.</p> <p>2271 <i>sarmentosa</i>, Dougl.</p> <p>2659 <i>Polygala cucullata</i>, Benth.</p> <p>2318 <i>Frankenia grandifolia</i>, Cham. &
<i>Silene Lyallii</i>, Watson. [Schl.]</p> <p>2325 <i>Gallica</i>, L.</p> <p>2623* <i>Menziesii</i>, Hooker.</p> <p>2624* <i>Californica</i>, Durand.</p> <p>2625* <i>occidentalis</i>, Watson.</p> <p>2430 <i>verecunda</i>, Watson.</p> <p>2644* <i>Cerastium viscosum</i>, L.</p> <p>2212 <i>Stellaria media</i>, L.</p> <p>2412 <i>umbellata</i>, Turcz.</p> <p>2626* <i>longipes</i>, Goldie.</p> | <p>2420 <i>Arenaria capillaris</i>, Poir.</p> <p>2643* <i>Douglasii</i>, T. & G.</p> <p>2627* <i>Sagina Linnæi</i>, Presl.</p> <p>2641 <i>Lepigonum macrothecum</i>, F. & M.</p> <p>2642* var.</p> <p>2369 <i>medium</i>, Fries.</p> <p>2347 <i>Pentacæna ramosissima</i>, H. & A.</p> <p>2645* <i>Portulaca oleracea</i>, L.</p> <p>2368 <i>Calandrinia Menziesii</i>, Hook.</p> <p>2630* <i>Claytonia perfoliata</i>, Don.</p> <p>2628* <i>Chamissonis</i>, Esch.</p> <p>2629* <i>triphylla</i>, Watson.</p> <p>2402 <i>Spraguea umbellata</i>, Torrey.</p> <p>2460 var. <i>montana</i>, Jones, <i>New.</i></p> <p>2648* <i>Hypericum Scouleri</i>, Hooker.</p> <p>2647 <i>anagalloides</i>, Cham. & Schl.</p> <p>2649* <i>Malva borealis</i>, Wallman.</p> <p>2433 <i>Sidalcea malvæflora</i>, Gray.</p> <p>2556 <i>humilis</i>, Gray.</p> <p>2792* <i>Linum perenne</i>, L.</p> <p>2854* <i>spergulinum</i>, Gray.</p> <p>2650* <i>Geranium Carolinianum</i>, L.</p> <p>2651* <i>Erodium cicutarium</i>, L' Her.</p> <p>2274 <i>Oxalis Oregana</i>, Nutt.</p> <p>2652* <i>corniculata</i>, L.</p> <p>2653* <i>Euonymus occidentalis</i>, Nutt.</p> <p>2258 <i>Rhamnus Californica</i>, Esch.</p> <p>2654* var. <i>tomentella</i>, Watson.</p> <p>2554 <i>Purshiana</i>, DC.</p> <p>2656* <i>Ceanothus thyrsiflorus</i>, Esch.</p> <p>2468 <i>velutinus</i>, Dougl.</p> <p>2456 <i>cordulatus</i>, Kellogg.</p> <p>2242 <i>papillosus</i>, Torr. & Gray.</p> <p>2657* <i>prostratus</i>, Benth.</p> <p>2204 <i>Æsculus Californica</i>, Nutt.</p> <p>2477 <i>Acer glabrum</i>, Torrey.</p> <p>2300 <i>Negundo Californicum</i>, T. & G.</p> <p>2141 <i>Rhus laurina</i>, Nutt.</p> <p>2660* <i>Thermopsis Californica</i>, Watson.</p> <p>2661* <i>Pickeringia Montana</i>, Nutt.</p> <p>2322 <i>Lupinus arboreus</i>, Sims.</p> <p>2662* var.</p> <p>2380 <i>Chamissonis</i>, Eschscholtz.</p> <p>2663* <i>rivularis</i>, Douglas.</p> <p>2324 var. <i>latifolius</i>, Watson.</p> <p>2432 <i>Burkei</i>, Watson.</p> <p>2411 <i>Andersoni</i>, Watson.</p> <p>2546 var. (?) <i>Grayi</i>, Watson.</p> <p>2406 <i>calcaratus</i>, Kellogg.</p> <p>2395 <i>minimus</i>, Dougl.</p> <p>2261 <i>nanus</i>, Dougl.</p> <p>2665* <i>micranthus</i>, Dougl.</p> <p>2666* var. <i>bicolor</i>, Watson.</p> <p>2667 <i>trifidus</i>, Torrey.</p> | <p>2332 <i>truncatus</i>, Nutt.</p> <p>2664* <i>hirsutissimus</i>, Benth.</p> <p>2669 <i>Trifolium</i> n. sp. (?)</p> <p>2592 <i>multicaule</i>, n. sp.</p> <p>2519 <i>longipes</i>, Nutt.</p> <p>2445 <i>Kingii</i>, Watson.</p> <p>2673* <i>Macraei</i> Hooker & Arnot.</p> <p>2329 <i>ciliatum</i>, Nutt.</p> <p>2674* var.</p> <p>2675* <i>gracilentum</i>, Torr. & Gray.</p> <p>2676 <i>involucratum</i>, Willd.</p> <p>2264 <i>tridentatum</i>, Lindley.</p> <p>2263 var. <i>obtusiflorum</i>, Watson.</p> <p>2672* var. <i>melananthum</i>, Watson.</p> <p>2262 <i>pauciflorum</i>, Nutt.</p> <p>2595 <i>microcephalum</i>, Pursh.</p> <p>2230 var.</p> <p>2330 <i>microdon</i>, Hooker & Arnot.</p> <p>2497 <i>cyathiferum</i>, Lindley.</p> <p>2671* <i>barbigerum</i>, Torrey.</p> <p>2670* <i>fucatum</i>, Lindley.</p> <p>2677* <i>Melilotus parviflora</i>, Desf.</p> <p>2678* <i>alba</i>, Lam.</p> <p>2679* <i>Medicago sativa</i>, L.</p> <p>2680* <i>denticulata</i>, Willd.</p> <p>2681* <i>Hosackia crassifolia</i>, Benth.</p> <p>2682* <i>oblongifolia</i>, Benth.</p> <p>2501 <i>Torreyi</i>, Gray.</p> <p>2683 var. <i>Nevadensis</i>, Gray.</p> <p>2234 <i>rigida</i>, Benth.</p> <p>2260 <i>maritima</i>, Nutt.</p> <p>2684* var. (perfectly smooth.)</p> <p>2228 <i>strigosa</i>, Nutt.</p> <p>2266 <i>parviflora</i>, Benth.</p> <p>2265 <i>Purshiana</i>, Benth.</p> <p>2685* <i>subpinnata</i>, T. & G.</p> <p>2259 <i>brachycarpa</i>, Benth.</p> <p>2257 <i>glabra</i>, Torrey.</p> <p>2686 <i>decumbens</i>, Benth.</p> <p>2331 var. <i>Nevadensis</i>, Watson.</p> <p>2365 <i>tomentosa</i>, Hooker & Arnot.</p> <p>2692* <i>Psoralea orbicularis</i>, Lindley.</p> <p>2323 <i>strobilina</i>, Hooker & Arnot.</p> <p>2691* <i>macrostachya</i>, DC.</p> <p>2690* <i>physodes</i>, Dougl.</p> <p>2687* <i>Astragalus Purshii</i>, Dougl.</p> <p>2680* <i>Vicia gigantea</i>, Hooker.</p> <p>2689* <i>exigua</i>, Nutt.</p> <p>2688* <i>Lathyrus vestitus</i>, Nutt.</p> <p>2693* <i>Prunus emarginata</i>, Walpers.</p> <p>2452 <i>Spiraea betulæfolia</i>, Pallas.</p> <p>2506 <i>discolor</i>, Pursh, var. <i>dumosa</i>, W.</p> <p>2694* <i>Neillia opulifolia</i>, Benth. & Hook.</p> <p>2555 <i>Rubus Nutkanus</i>, Mocino.</p> |
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- 2695 *Rubus ursinus*, Cham. & Schl.
 2696 *Purshia tridentata*, DC.
 2697* *Geum macrophyllum*, Willd.
 2698* *Fragaria Virginiana*, Ehrh.
 var. *Illinoensis*, Gray.
 2699* *Potentilla glandulosa*, Lindl.
 2481 var. *Nevadensis*, Watson.
 2700 *rivalis*, Nuttall, var. *mille-*
 grana, Watson.
 2523 *Breweri*, Watson. (?)
 2551 var. ——— (?)
 2536 *gracilis*, Dougl., var. *flabel-*
 liformis, T. & G.
 2706* *gelida*, Meyer.
 2705* *fruticosa*, L.
 2409 *Horkelia fusca*, Lindley.
 2251 *Californica*, Cham. & Schl.
 2238 *Adenostoma fasciculatum*, H. & A.
 2702* *Rosa Californica*, Cham. & Schl.
 2703* var. *ultramontana*, Watson.
 2704* *gymnocarpa*, Nutt.
 2701* *Pirus sambucifolia*, Cham. & Schl.
 2711* *Saxifraga Virginensis*, Mx.
 2713* *nivalis*, L.
 2712* *integrifolia*, Hooker.
 2413 *bryophora*, Gray.
 2567 *punctata*, L.
 2279 *Boykinia occidentalis*, T. & G.
 2710* *Tellima grandiflora*, Dougl.
 2233 *Tiarella unifoliata*, Hooker.
 2566 *Mitella Breweri*, Gray.
 2510 *Heuchera rubescens*, Torrey.
 2708 *micrantha*, Dougl.
 2658* *Whipplea modesta*, Torrey.
 2378 *Ribes Menziesii*, Pursh.
 2364 var.
 2508 var.
 2476 *leptanthum*, Gray.
 2202 *divaricatum*, Dougl.
 2559 *lacustre*, Poir., var. *molle*, Gray.
 2707* *viscosissimum*, Pursh.
 2372 *sanguineum*, Pursh.
 var. *malvaceum*, Watson.
 2509 var. *variegatum*, Watson.
 2560 *Sedum Rhodiola*, DC.
 2580 *obtusatum*, Gray.
 2714* *Lythrum alatum*, Pursh.
 var. *linearifolium*, Gray.
 2728* *Epilobium spicatum*, L.
 2404 *coloratum*, Muhl.
 2727 *origanifolium*, Lam.
 (pubescent.)
 2726* *Franciscanum*, Barbey.
 2725* *glaberrimum*, Barbey.
 2586 *paniculatum*, Nutt.
 2724 *Gayophytum racemosum*, T. & G.
 2403 *diffusum*, T. & G.
 2722* (*Enothera biennis*, L., var.
 hirsutissima, Gray.
 2721* *heterantha*, Nutt.
 2371 *bistorta*, Nutt.
 2231 *micrantha*, Hornemann.
 2723* *dentata*, Cavanilles.
 2229 *strigulosa*, T. & G.
 2295 *Godetia quadrivulnera*, Spach.
 2720* *tenella*, Watson.
 2348 *amoena*, Lilja.
 2255 *Clarkia elegans*, Dougl.
 2719* *rhomboidea*, Dougl.
 2718* *Eucharidium concinnum*, F. & M.
 2358 *Boisduvalia densiflora*, Watson.
 2715 *glabella*, Watson.
 2717* *Heterogaura Californica*, Rothr.
 2716 *Circea Pacifica*, Asch. & Mag.
 2729* *Mentzelia dispersa*, Watson.
 2267 *Megarrhiza Californica*, Torrey.
 2334 *Datisca glomerata*, B. & H.
 2730* *Mesembryanthemum aequilat-*
 erale, Haworth.
 2270 *Mollugo verticillata*, L.
 2288 *Eryngium petiolatum*, Hooker,
 var. *armatum*, Watson.
 2735* *Sanicula Menziesii*, H. & A.
 2404 *tuberosa*, Torrey.
 2527 *Carum Gairdneri*, B. & H.
 2291 *Kelloggii*, Gray.
 2734* *Osmorrhiza nuda*, Torrey.
 2511 *Glycosma occidentale*, Nutt.
 2733* *Enanthe Californica*, Watson.
 2397 *Ligusticum apiifolium*, B. & H.
 2582 *Selinum capitatum*, B. & H.
 2584 *Angelica Breweri*, Gray.
 2421 *Peucedanum macrocarpum*, Nutt.
 2732* *Heracleum lanatum*, Michx.
 2731* *Ferula dissoluta*, Watson.
 2319 *Daucus pusillus*, Michx.
 2375 *Aralia Californica*, Watson.
 2736* *Cornus Californica*, Meyer.
 2453 *stolonifera*, Mx.
 2302 *Sambucus glauca*, Nutt.
 2737 *racemosa*, L.
 2289 *Symphoricarpos racemosus*, Mx.
 2469 *oreophilus*, Gray.
 2738* *Lonicera hispidula*, Dougl., var.
 subspicata, Gray.
 2376 var. *vacillans*, Gray.
 2739* *involucrata*, Banks.
 2405 *conjugalis*, Kellogg.
 2440 *Kelloggii galioides*, Torrey.
 2214 *Galium Californicum*, H. & A.
 2245 *Nuttallii*, Gray.
 2454 *bifolium*, Watson.
 2527 *trifidum*, L.
 2473 *multiflorum*, Kellogg.
 2900* *Valeriana sylvatica*, Rich.
 2607 *Eupatorium occidentale*, Hooker.
 2314 *Grindelia robusta*, Nutt.,
 var. *latifolia*, Gray.
 2750* *Pacifica*, Jones, n. sp.
 2606 *Chrysopsis* (?)
 2749 *Oregana*, Gray.
 2489 *Breweri*, Gray.
 2748 *Aplopappus Bloomeri*, Gray.
 2747* *Bigelovia graveolens*, Gray.
 2745* *Solidago occidentalis*, Nutt.
 2746* *Californica*, Nutt.
 2320 *Corethrogyne filaginifolia*, Nutt.
 2744* *Aster canescens*, Pursh.
 2743* *radulinus*, Gray.
 2742* *adscendens*, Lindley.
 2541 var.
 2525 *integrifolius*, Nutt.
 2532 *Andersonii*, Gray.
 2374 *Erigeron foliosus*, Nutt.
 2542 *glabellus*, Nutt.
 2431 *salsuginosus*, Gray.
 2741* *Coulteri*, Porter.
 2740* *Canadensis*, L.
 2382 *Baccharis pilularis*, DC.
 2273 *Douglasii*, DC.
 2757* *Adenocaulon bicolor*, Hooker.
 2759* *Psilocarphus tenellus*, Nutt.
 2758* *Filago Californica*, Nutt.
 2544 *Antennaria dioica*, Gaertn.
 2756* *alpina*, Gaertn.
 2755* *luzuloides*, T. & G., var.
 argentea, Gray.
 2390 *Anaphalis margaritacea*, Benth.
 2753* *Gnaphalium decurrens*, Ives.
 2754* var.
 2301 *Sprengelii*, Hook. & Arn.
 2752* *microcephalum*, Nutt.
 2388 *ramosissimum*, Nutt.
 2286 *palustre*, Nutt.
 2304 *Gnaphalium purpureum*, L.
 2277 *Franseria bipinnatifida*, Nutt.
 2751* *Chamissonis*, Less.
 2604 *Balsamorhiza sagittata*, Nutt.
 2482 *Wyethia mollis*, Gray.
 2484 *Helianthella Californica*, Gray.
 2248 *Madia Nuttallii*, Gray.
 2597 *elegans*, Don.
 2211 *sativa*, Molina, var. *congesta*,
 T. & G.
 2297 var. *racemosa*, Gray.
 2341 var.
 2467 var.
 2761 var. *dissitiflora*, Gray.
 2443* *glomerata*, Hooker.
 2290 *filipes*, Gray.
 2210 *Hemizonia corymbosa*, T. & G.
 2285 *macradenia*, DC.
 2762* *pungens*, T. & G.
 2373 *luzulaefolia*, DC.
 2760* *plumosa*, Gray.
 2349 *Lagophylla ramosissima*, Nutt.
 2777* *Jaumea carnosa*, Gray.
 2220 *Bahia artemisiæfolia*, Less.
 2775* *confertiflora*, DC.
 2776 var. *trifida*, Gray.
 2774* *lanata*, DC., var. *grandiflora*,
 Gray.
 2491 *integrifolia*, DC.
 2773* *arachnoidea*, F. & M.
 2333 *Monolopia major*, DC.,
 var. *lanceolata*, Gray.
 2478 *Chaenactis Douglasii*, H. & A.
 2338 *Helenium puberulum*, DC.
 2772* *Achillea millefolium*, L.
 2392 *Matricaria* —?
 2771* *discoidea*, DC.
 2770* *Tanacetum Huronense*, Nutt.
 2354 *Artemisia Californica*, Less.
 2537 *Ludoviciana*, Nutt.
 2767* *dracunculoides*, Pursh.
 2768* *biennis*, Willd.
 2254 *pychnocephala*, DC.
 2769* *trifida*, Nutt. (?)
 2765* *Senecio vulgaris*, L.
 2574 *integerrimus*, Nutt.
 2766* *triangularis*, Hooker.
 2763* *Arnica discoidea*, Benth.
 2572 *latifolia*, Bongard.
 2764 *longifolia*, Eaton.
 2788* *Cnicus undulatus*, Gray.
 2789* *Andersonii*, Gray.
 2306 *Californicus*, Gray.
 2787* *Silybum Marianum*, Gaertn.
 2205 *Centaurea solstitialis*, L.
 2398 *Microseris nutans*, Gray.
 2790* *Tragopogon porrifolius*, L.
 2346 *Stephanomeria paniculata*, Nutt.
 2791* *minor*, Nutt.
 2778* *Rafinesquia Californica*, Nutt.
 2221 *Hypochaeris glabra*, L.
 2786 *Malacothryx obtusa*, Benth.
 2785* *saxatilis*, T. & G.
 2784* *Crepis occidentalis*, Nutt.
 var. *Nevadensis*, Kellogg.
 2783* *acuminata*, Nutt.
 2350 *Troximon apargioides*, Less.
 2781* *grandiflorum*, Gray.
 2782* *retrosum*, Gray.
 2284 *Hieracium albiflorum*, Hooker.
 2780* *triste*, Willd., var. *gracile*, Gray.
 2779* *Sonchus oleraceus*, L.
 2799* *Heterocodon rariflorum*, Nutt.
 2275 *Campanula prenanthoides*, Durand.
 2798* *Vaccinium Myrtillus*, L., var.
 microphyllum, Hooker.
 2797* *occidentale*, Gray.

- 2272 *Vaccinium ovatum*, Pursh.
 2800 *Arbutus Menziesii*, Pursh.
 2237 *Arctostaphylos tomentosa*, Dougl.
 2796 *pungens*, H. B. K., var.
 platyphyllum, Gray.
 2795* *Nevadensis*, Gray.
 2794* *Bryanthus Breweri*, Gray.
 2235 *Rhododendron occidentale*, Gray.
 2793* *Ledum glandulosum*, Nutt.
 2367 *Statice Limonium*, L.,
 var. *Californica*, Gray.
 2801* *Dodecatheon Meadia*, L.
 2247 *Anagallis arvensis*, L.
 2803* *Asclepias speciosa*, Torrey.
 2802* *Gomphocarpus cordifolius*, Benth.
 2805* *Erythraea triacantha*, Griseb.
 2256 *Muhlenbergii*, Griseb.
 2806 *var. (white flowered.)*
 2609 *Gentiana calycosa*, Griseb.
 2804* *Menyanthes trifoliata*, L.
 2470 *Phlox Douglasii*, Hooker.
 2812* *var. longifolia*, Gray.
 2558 *Collomia grandiflora*, Dougl.
 2570 *linearis*, Nutt.
 2471 *var. subulata*, Gray.
 2552* *aggregata*, Porter.
 2426 *gracilis*, Dougl.
 2466 *gillioides*, Benth.
 2549 *(?) var.*
 2282 *heterophylla*, Hooker.
 2444 *leptalea*, Gray.
 2427 *Gilia pusilla*, Benth.
 2424 *n. sp. ?*
 2810 *micrantha*, Steudel.
 2557 *ciliata*, Benth.
 2474 *Californica*, Benth. (?)
 2217 *squarrosa*, Hook. & Arn.
 2809 *Breweri*, Gray.
 2465 *divaricata*, Torrey.
 2328 *atractyloides*, Steudel.
 2808* *capitata*, Dougl.
 2381 *achilleaefolia*, Benth.
 2811* *multicaulis*, Benth.
 2575 *Polemonium humile*, Willd.
 var. pulchellum, Gray.
 2807* *cæruleum*, L.
 2817* *Hydrophyllum occidentale*,
 Gray, var. *Watsoni*, Gray.
 2816* *Nemophila parviflora*, Dougl.
 2815* *Draperia systyla*, Torrey.
 2447 *Phacelia namatoides*, Gray.
 2813* *circinata*, Jacq. f.
 2359 *n. sp. ?*
 2313 *tanacetifolia*, Benth.
 2814* *ramosissima*, Dougl.
 2416 *hydrophyloides*, Torrey.
 2269 *Emmenanthe penduliflora*, Benth.
 2496 *Nama Lobbii*, Gray.
 2820 *Heliotropium Curassavicum*, L.
 2357 *Amsinckia intermedia*, F. & M.
 2819* *Eritrichium Chorianum*, DC.
 2326 *Scouleri*, A. DC.
 2428 *Californicum*, DC.
 2539* *var. subglochidiatum*, Gray.
 2339 *leiocarpum*, Watson.
 2337 *muriculatum*, A. DC.
 2472 *var.*
 2818* *var. ambiguum*, Gray.
 2246 *Convolvulus luteolus*, Gray.
 2296 *arvensis*, L.
 2317 *Cressa Cretica*, L.
 var. *Truxillensis*, Choisy.
 2490 *Cuscuta Californica*, Choisy,
 var. *breviflora*, Eng.
 2821* *var. longiloba*, Eng.
 2316 *salina*, Eng.
 2224 *Solanum nigrum*, L.,
 var. *Douglasii*, Gray.
- 2223 *umbelliferum*, Esch.
 2548 *Chamaesaracha nana*, Gray.
 2822 *Nicotiana attenuata*, Torrey.
 2225 *Scrophularia Californica*, Cham.
 2429 *Collinsia Torreyi*, Gray.
 2394 *var.*
 2488 *Pentstemon Menziesii*, Hooker.
 2596 *Lemmoni*, Gray.
 2823* *glaber*, Pursh.
 2464 *var. (densely pubescent.)*
 2486 *deustus*, Dougl.
 2538 *confertus*, Dougl.,
 var. *cæruleo-purpureus*, Gray.
 2461 *gracilentus*, Gray.
 2439 *azureus*, Benth., var. *parvulus*,
 2605* *var.* [Gray.
 2593 *Rœzli*, Regel.
 2399 *heterodoxus*, Gray.
 2561 *(?) var.*
 2396 *Mimulus leptaleus*, Gray.
 2459 *var. (?)*
 2507 *nanus*, Hook. & Arn.
 2250 *glutinosus*, Wendland.
 2495 *Lewisii*, Pursh.
 2513 *luteus*, L.
 2608 *var. alpinus*, Gray.
 2415 *rubellus*, Gray.
 2824* *floribundus*, Dougl.
 2825* *moschatus*, Dougl.
 2434 *primuloides*, Benth.
 2826* *Veronica alpina*, L.
 2827* *Castilleja foliolosa*, H. & A.
 2243 *latifolia*, Hook. & Arn.
 2590 *parviflora*, Bong.
 2535 *miniata*, Dougl.
 2531 *var.*
 2828 *Orthocarpus* ——— (?)
 2830* *pilosus*, Watson.
 2829* *purpurascens*, Benth.
 2603 *tenuifolius*, Benth.
 2599 *lacerus*, Benth.
 2589 *Cordylanthus tenuis*, Gray.
 2366 *maritimus*, Nutt.
 2581 *Pedicularis racemosa*, Dougl.
 2576 *Groenlandica*, Retz.
 2540 *attollens*, Gray.
 2419 *semibarbata*, Gray.
 2853* *Aphyllon Californicum*, Gray.
 2836* *Mentha Canadensis*, L.
 2834* *Monardella villosa*, Benth.
 2218 *var. leptosiphon*, Torrey.
 2835* *var. glabella*, Gray.
 2475 *odoratissima*, Benth.
 2216 *Micromeria Douglasii*, Benth.
 2833* *Pogogyne serpylloides*, Gray.
 2268 *Audibertia stachyoides*, Benth.
 2587 *Lophanthus urticifolius*, Benth.
 2594 *Scutellaria Californica*, Gray.
 2832 *Brunella vulgaris*, L.
 2222 *Stachys bullata*, Benth.
 2831* *Trichostema oblongum*, Benth.
 2215 *Verbena officinalis*, L.
 2598 ———
 2837* *Plantago major*, L.
 2838* *maritima*, L.
 2839* *Virginica*, L., var. *maxima*, Gray.
 2276 *Abronia umbellata*, Lam.
 2379 *latifolia*, Esch.
 2850* *Oxyria digyna*, Campd.
 2847* *Rumex salicifolius*, Weinm.
 2849* *maritimus*, L.
 2848* *pulcher*, L.
 2846* *acetosella*, L.
 2384 *Polygonum Paronychia*, Cham. &
 2861* *Shastense*, Brewer. [Sch.
 2845 *aviculare*, L.
 2504 *minimum*, Watson.
 2455 *tenue*, Michx.
- 2423 *Polygonum imbricatum*, Nutt.
 2844* *Muhlenbergii*, Watson.
 2545 *Bistorta*, L.
 2613 *polymorphum*, Ledeb.
 2843* *Davisiae*, Brewer.
 2503 *Eriogonum umbellatum*, Torrey.
 2611 *Lobbii*, T. & G.
 2417 *incanum*, T. & G.
 2219 *latifolium*, Smith.
 2363 *nudum*, Dougl.
 2842* *var. pauciflorum*, Watson.
 2841* *microthecum*, Nutt.
 2840* *vimineum*, Dougl.
 2408 *Oxytheca n. sp.*
 2393 ———
 2253 *Chorizanthe Douglasii*, Benth.
 2327 *pungens*, Benth.
 2386 *var.*
 2239 *Pterostegia drymarioides*, F. & M.
 2851* *Amarantus retroflexus*, L.
 2852* *blitoides*, Watson.
 2858* *Chenopodium ambrosioides*, L.
 2859* *var. anthelminticum*, Gray.
 2860* *capitatum*, Watson.
 2278 *Atriplex leucophylla*, Dietrich.
 2370 *Californica*, Moquin.
 2361 *Hesperocnide tenella*, Torrey.
 2856* *Platanus racemosa*, Nutt.
 2857* *Eremocarpus setigerus*, Benth.
 2383 *Croton Californicus*, Muell. Arg.
 2855* *Euphorbia ocellata*, Dur. & Hilg.
 2862* *serpyllifolia*, Pers.
 2864* *Alnus rhombifolia*, Nutt.
 2863* *incana*, Willd., var.
 virescens, Watson.
 2351 *Myrica Californica*, Cham.
 2870* *Salix laevigata*, Bebb.
 2450 *lasiandra*, Benth., var.
 typica, Bebb.
 2869* *lasiolepis*, Benth.
 2868* *flavescens*, Nutt.
 2867* *Sitchensis*, Sanson, var.
 angustifolia, Bebb.
 2446 *Californica*, Bebb.
 2865* *Populus tremuloides*, Mx.
 2866* *trichocarpa*, T. & G.
 2483 *Quercus chrysolepis*, Liebm., var.
 vacciniifolia, Eng.
 2292 *agrifolia*, Nee.
 2362 *Wislizeni*, A. DC., var.
 frutescens, Eng.
 2871* *Kelloggii*, Newberry.
 2298 *densiflora*, Hook. & Arn.
 2872* *Castanopsis chrysophylla*, A. DC.
 2873* *Corylus rostrata*, Ait., var.
 Californica, A. DC.
 2601* *Arceuthobium divaricatum*, Eng.
 2457 *Juniperus occidentalis*, Hooker,
 var. (seeds exposed.)
 2602 ———
 2355 *Cupressus Goveniana*, Gordon.
 2600 *Libocedrus decurrens*, Torrey.
 2299 *Sequoia sempervirens*, Endl.
 2463 *Abies concolor*, Lindley.
 2874* *magnifica*, Murray.
 2875* *Pseudotsuga Douglasii*, Carr.
 2565 *Tsuga Pattoniana*, Eng.
 2462 *Pinus monticola*, Dougl.
 2877* *Lambertiana*, Dougl.
 2458 *ponderosa*, Dougl., var. *Jeffreyi*,
 2422 *contorta*, Dougl., var. [Eng.
 Murrayana, Eng.
 2876* *insignis*, Dougl.
 2244 *Habenaria elegans*, Bolander.
 2879* *leucostachys*, Watson.
 2578 *Spiranthes Romanzoffiana*, Cham.
 2878* *porrifolia*, Lindley.
 2880* *Sisyrinchium bellum*, Watson.
 2882* *Allium validum*, Watson.

- 2881* *lacunosum*, Watson.
 2569 *platycaule*, Watson.
 2884* *Brodiaea grandiflora*, Smith.
 2885* *terrestris*, Kellogg.
 2249 *ixioides*, Watson.
 2895* *Camassia esculenta*, Lindley.
 2213 *Chlorogalum pomeridianum*, Kunth.
 2886 *Smilacina amplexicaulis*, Nutt.
 2887* *sessilifolia*, Nutt.
 2888* *Lilium Washingtonianum*, Kell.
 2441 *parvum*, Kellogg.
 2281 *pardalinum*, Kellogg, var.
 angustifolium, Kellogg.
 2889* *Calochortus Weedii*, Wood.
 2890* *luteus*, Dougl., var.
 oculatus, Watson.
 2418 *Nuttallii*, T. & G.
 2891* *Prosartes Hookeri*, Torrey.
 2883* *Clintonia Andrewsiana*, Torrey.
 2892* *Trillium ovatum*, Pursh.
 2893* *Veratrum Californicum*, Durand.
 2894* *Zygadenus venenosus*, Watson.
 2356 *Lemna Valdiviana*, Philippi.
 2909* *Phyllospadix Torreyi*, Watson.
 2310 *Potamogeton gramineus*, L.
 2309 *pectinatus*, L.
 2896* *Luzula divaricata*, Watson.
 2897 *comosa*, Meyer.
 2898* *var. macrantha*, Watson.
 2899* *var. subsessilis*, Watson.
 2385 *Juncus Leseurii*, Bolander.
 2340 *effusus*, L., var. *brunneus*, Eng.
 2293 *patens*, Meyer.
 2573 *Parryi*, Eng.
 2903* *bufonius*, L.
 2936* *var. fasciculiflorus*, Eng.
 2498 *tenuis*, Willd.
 2902 *longistylis*, Torrey.
 2524 *var. latifolia*, Eng.
 2558 *xiphioides*, Meyer, var.
 montanus, Eng.
 2387 *phaeocephalus*, Eng.
 "forma angustifolia," Eng.
 2400 *var. gracilis*, Eng.
 2343 *var. paniculatus*, Eng.
 2562 *Mertensianus*, Meyer.
 2499 *Scirpus sylvaticus*, L., var.
 digynus, Boeck.
 2906* *Hemicarpha subsquarrosa*, Nees.
 2905* *Eleocharis acicularis*, R. Br.
 2612 *palustris*, R. Br.
 2904* *rostellata*, Torrey.
 var. occidentalis, Watson.
 2908* *Carex filiformis*, L.
 3010* *Gayana*, Desv.
 2500 *festiva*, Dew., var. *gracilis*, Olney.
 2533 *athrostachya*, Olney.
 2283 *Deweyana*, Schwein, var.
 Bolanderi, W. Boott.
 n. sp. (?)
 3011* *echinata*, Murr. (?) var.
 scoparia, Schl.
 var. fulva, W. Boott.
 2515 *adusta*, Boott.
 var. congesta, W. Boott.
 3012* *Buxbaumii*, Wahl.
 3013 *atrata*, L., var. *erecta*, W. Boott.
 2449 *Kelloggii*, W. Boott.
 2520 *vulgaris*, var. *juncella*, Fries.
 3014* *angustata*, Boott.
 3017* *Jamesii*, Torrey.
 2345 *laciniata*, Boott.
 3015* *podocarpa*, R. Br.
 2534 *Raynoldsii*, Dewey.
 2530 *globosa*, Boott.
 2514 *Whitneyi*, Olney.
 2907* *luzulaefolia*, W. Boott.
 2492 *fulva*, Good., var.
 Hornschuchiana, Boott.
 3016* *filiformis*, L., var. *latifolia*,
 vesicaria, L. [Boeckeler.
 2307 *Paspalum distichum*, L.
 2294 *Panicum dichotomum*, L.
 2910* *Setaria glauca*, Beauv.
 2912* *Phleum alpinum*, L.
 2911* *Alopecurus pratensis*, L.
 2913* *Hierochloa macrophylla*, Thurber.
 2914* *Vilfa depauperata*, Torrey.
 2401 *gracillima*, Thurber.
 2915* *var.*
 2529 *Sporobolus Jonesii*, Vasey, n. sp.
 2352 *Polypogon littoralis*, Smith.
 2916* *Agrostis alba*, L.
 2618* *exarata*, Trin. (?) var.
 2919* *varians*, Trin.
 2305 *Gastridium australe*, Beauv.
 2917* *Calamagrostis Canadensis*, Beauv.
 2583 *Stipa occidentalis*, Thurber.
 2553 *Sibirica*, L.
 2920 *viridula*, Trin.
 2921* *Danthonia Californica*, Bol., var.
 2922 *var. unispicata*, Thurber.
 2923 *Trisetum subspicatum*, Beauv.
 var.
 2518 *var. muticum*, Bolander.
 (T. Wolfii, Vasey.)
 2579 *Aira caespitosa*, L.
 2924 *elongata*, Hook.
 2201 *var. tenuis*, Vasey.
 2947* *danthonioides*, Trin.
 2925 *Melica imperfecta*, Trin.
 2563 *var. (2 flowered)*
 stricta, Bolander.
 2479 *Harfordii*, Bolander.
 2934* *Glyceria nervata*, Trin.
 2928* *pauciflora*, Presl.
 2577 *Atropis*—?
 2929* *Californica*, Munro.
 2526 *tenuifolia*, Thurber.
 2927* *Poa arctica*, R. Br.
 2926* *Bolanderi*, Vasey, Ms. *New.*
 2930* *Briza media*, L.
 2932* *Festuca Myurus*, L.
 2931* *ovina*, L.
 2516* *var. duriuscula*, Gray.
 2933 *Bromus maximus*, Desf.
 2287 *ciliatus*, L.
 2487 *Ceratochloa brevistarata*, Hooker.
 2935* *Lolium perenne*, L.
 2308 *temulentum*, L.
 2522 *Hordeum nodosum*, L.
 2938 *Elymus condensatus*, Presl.
 2937 *Sibiricus*, L.
 2480 *Sitanion*, Schult.
 2939* *Equisetum robustum*, A. Braun.
 2944* *Poypodium Californicum*, Kaulf.
 2206 *Gymnogramme triangularis*, Kaulf.
 2438 *Cheilanthes gracillima*, Eaton.
 2943* *Pellaea andromedaefolia*, Fee.
 2252 *Ornithopus*, Hooker.
 2436 *densa*, Hooker.
 2437 *Bridgesii*, Hooker.
 2442 *Cryptogramme acrostichoides*, R. Br.
 2209 *Pteris aquilina*, L., var.
 lanuginosa, Bong.
 2240 *Adiantum emarginatum*, Hooker.
 2610 *pedatum*, L.
 2232 *Lomaria spicata*, Desvaux.
 2280 *Woodwardia radicans*, Smith.
 var. Americana, Hooker.
 2942* *Asplenium Filix-foemina*, Bernh.
 2208 *Aspidium rigidum*, Swartz.
 var. argutum, Eaton.
 2207 *munitum*, Kaulf.
 2941 *aculeatum*, Swartz, var.
 angulare, Braun.
 2901* *var. scopulinum*, Eaton.
 2940* *Cystopteris fragilis*, Bernh.
 2311 *Chara* —

Nevada Plants.

- 2178* *Aquilegia formosa*, Fischer.
 2179* *Arabis platysperma*, Gray.
 2997* *Sisymbrium canescens*, Nutt.
 var. (No. 98, Watson.)
 2998* *Caulanthus procerus*, Watson.
 3001* *Lepidium flavum*, Torrey.
 3003* *montanum*, Nutt.
 2180 *Cleomella parviflora*, Gray.
 3000 *pliocasperma*, Watson.
 2181* *Stellaria Kingii*, Watson.
 2182 *Sidalcea malvaeflora*, Gray.
 2991* *Lupinus uncialis*, Watson.
 2990* *diphysus*, Gray.
 2183 *Astragalus filipes*, Torrey.
 2184 *multiflorus*, Gray.
 3004* *Geyeri*, Gray.
 2185 *Dalea polyadenia*, Torrey.
 2186* *Trifolium* n. sp. (?)
 2187 *Ivesia Kingii*, Watson.
 2188* *Heuchera cylindrica*, Dougl.
 var. alpina, Watson.
 2189* *Sedum Rhodiola*, DC.
 2193* *Eupatorium occidentale*, Hooker.
 2191 *Aplopappus nanus*, Eaton.
 2196 *tenuicaulis*, Eaton.
 2197* *lanceolatus*, T. & G., var.
 Vaseyi, Parry?
 2195 *uniflorus*, T. & G.
 2190 *Bigelovia Douglasii*, Gray, var.
 stenophylla, Gray.
 2194 *var. puberula*, Gray.
 2192 *n. sp. (?)*
 2198 *Erigeron asperugineus*, Gray.
 3007* *Townsendia scapigera*, Eaton.
 2199* *Aster arenarioides*, Eaton.
 2200* *var. (pubescent.)*
 2992* *Layia heterotricha*, H. & A.
 2949 *Helianthus Nuttallii*, T. & G.
 (very slender form.)
 2948* *Actinella Richardsonii*, Nutt.,
 var. canescens, Eaton.
 2950 *Tetradlea brata*, T. & G.
 2996* *Chaenactis stevioides*, H. & A.
 3002* *carphoclinia*, Gray.
 2951* *Malacothryx Torreyi*, Gray.
 2952* *Stephanomeria exigua*, Nutt.
 2989* *Glyptopleura marginata*, Eaton.
 2953 *Lygodesmia spinosa*, Nutt.
 2954* *Phacelia sericea*, Gray, var.
 2955* *Gilia pungens*, Benth.
 3006* *var. squarrosa*, Gray.
 2956* *floccosa*, Gray.
 2957 *Gentiana serrata*, Gunner.
 2961* *Erythraea Nuttallii*, Watson.
 2993* *Asclepias Mexicana*, Cav.
 2994* *Psathyrotes annua*, Gray.
 2958* *Pentstemon glaber*, Pursh., var.
 (puberulent, anthers glabrous.)
 2959* *Watsoni*, Gray.
 2960* *confertus*, Dougl., var.
 caeruleo-purpureus, Gray.
 2965* *Mimulus primuloides*, Benth.
 2999* *Veronica peregrina*, L.